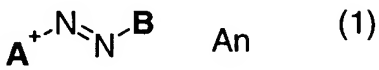
IN THE CLAIMS

1. (currently amended) A m~~M~~ethod of coloring porous material, which comprises contacting the material being colored, with

a) a capped diazonium compound of formula



$$A^{+}\text{-}N{=}N\text{-}B \quad An \qquad (1)$$

wherein

A^+ is a cationic radical of an organic compound,

B is a radical of an unsubstituted or substituted, aliphatic or aromatic amine,

An is an anion,

and

b) optionally a coupling component.

2. (currently amended) A m~~M~~ethod according to claim 1, which comprises contacting the material being colored, with

a) a capped diazonium compound of formula (1)

wherein

A^+ is a cationic radical of unsubstituted phenyl; naphthyl; thiophenyl; 1,3-thiazolyl; 1,2-thiazolyl; 1,3-benzothiazolyl; 2,3-benzothiazolyl; imidazolyl; 1,3,4-thiadiazolyl; 1,3,5-thiadiazolyl; 1,3,4-triazolyl; pyrazolyl; benzimidazolyl; benzopyrazolyl; pyridinyl; quinolinyl; pyrimidinyl; isoxazolyl; aminodiphenyl; aminodiphenylether and azobenzenyl or

A^+ is cationic radical of a phenyl, naphthyl, thiophenyl, 1,3-thiazolyl, 1,2-thiazolyl, 1,3-benzothiazolyl, 2,3-benzothiazolyl, imidazolyl, 1,3,4-thiadiazolyl, 1,3,5-thiadiazolyl, 1,3,4-triazolyl, pyrazolyl, benzimidazolyl, benzopyrazolyl, pyridinyl, quinolinyl, pyrimidinyl and isoxazolyl, aminodiphenyl, aminodiphenylether and azobenzenyl, each of which is mono- or poly-substituted by C_1-C_4alkyl, C_1-C_4alkoxy, C_1-C_4alkylthio, quaternised ammonium radicals, halogen, e.g. fluorine, bromine or chlorine, nitro, trifluoromethyl, CN, SCN, C_1-C_4alkylsulfonyl, phenylsulfonyl, benzylsulfonyl, di-C_1-C_4alkylaminosulfonyl, C_1-C_4alkyl-carbonylamino, C_1-C_4alkoxysulfonyl or by di-(hydroxy-C_1-C_4alkyl)-aminosulfonyl, or

A^+ is a cationic radical of an organic dye, and

B is a radical of formula $-NR_{65}R_{66}$, wherein R_{65} is hydogen; or unsubstituted linear or branched C_1-C_6alkyl or linear or branched C_1-C_6alkyl, which is substituted by one or more identical or different substituent selected from the group consisting of OC_1-C_4alkyl, COOH, COO^-, $COOC_1$-C_2alkyl, SO_3H,

SO_3^-, NH_2, CN, halogen and OH, O^-; and R_{66} is unsubstituted linear or branched C_1-C_6alkyl or linear or branched C_1-C_6alkyl, which is substituted by one or more identical or different substituent selected from the group consisting of OC_1-C_4alkyl, COOH, COO^-,$COOC_1$-C_2alkyl, SO_3H, SO_3^-, NH_2, CN, halogen and OH, O^-; or

B is a radical of unsubstituted aniline; or a radical of unsubstituted aminonaphthalene; the radical of aniline or aminonaphthalene, wherein the phenyl or the naphthyl ring is substituted by one or more identical or different substituent selected from the group consisting of COOH, COO^-, SO_3H, SO_3^-, CN, halogen, SO_2C_1-C_2alkyl, unsubstituted linear or branched C_1-C_4alkyl, linear or branched C_1-C_4alkyl, substituted by OH, O^-, COOH, COO^-, COC_1-C_2alkyl or

SO_2-N(C_1-C_4alkyl)-$(CH_2)_{1-4}SO_3H$ and wherein the amino radical is substituted by hydrogen, unsubstituted linear or branched C_1-C_4alkyl or linear or branched C_1-C_4alkyl, substituted by OH, O^-, or COOH, COO^-;

An is an anion,

and

b) a coupling component.

3. (currently amended) A m~~M~~ethod according to claim 2~~any of the precedings claims~~, wherein A^+ is a cationic radical of unsubstituted phenyl; naphthyl; thiophenyl; 1,3-thiazolyl; 1,2-thiazolyl; 1,3-benzothiazolyl;

2,3-benzothiazolyl; imidazolyl; 1,3,4-thiadiazolyl; 1,3,5-thiadiazolyl; 1,3,4-triazolyl; pyrazolyl; benzimidazolyl; benzopyrazolyl; pyridinyl; quinolinyl; pyrimidinyl; isoxazolyl; aminodiphenyl; aminodiphenylether and azobenzenyl or

A^+ is cationic radical of a phenyl, naphthyl, thiophenyl, 1,3-thiazolyl, 1,2-thiazolyl, 1,3-benzothiazolyl, 2,3-benzothiazolyl, imidazolyl, 1,3,4-thiadiazolyl, 1,3,5-thiadiazolyl, 1,3,4-triazolyl, pyrazolyl, benzimidazolyl, benzopyrazolyl, pyridinyl, quinolinyl, pyrimidinyl and isoxazolyl, aminodiphenyl, aminodiphenylether and azobenzenyl, each of which is mono- or poly-substituted by C_1-C_4alkyl, C_1-C_4alkoxy, C_1-C_4alkylthio, halogen, e.g. fluorine, bromine or chlorine, nitro, trifluoromethyl, CN, SCN, C_1-C_4alkylsulfonyl, phenylsulfonyl, benzylsulfonyl, di-C_1-C_4alkylaminosulfonyl, C_1-C_4alkyl-carbonylamino, C_1-C_4alkoxysulfonyl or by di-(hydroxy-C_1-C_4alkyl)-aminosulfonyl, or

A^+ is a cationic radical residue of an organic dye selected from anthraquinon dye, acridine dye, azo dye, azomethin dye, hydrazomethin, benzodifuranone dye, coumarin dye, diketopyrrolopyrrol dye, dioxaxine dye, diphenylmethane dye, formazan dye, indigoid dye, indophenol, naphtalimide dye, naphthoquinone dye, nitroaryl dye, merocyanine dye, methin dye, oxazine dye, perinone dye, perylene

dye, pyrenequinone dye, phthalocyanine dye, phenazine dye, quinonimine dye, quinacridone dye, quinophtalone dye, styryl dye, triphenylmethan dye, xanthene dye, thiazine dye and thioxanthene dye, and

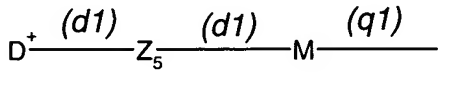
B is a radical of formula $-NR_{65}R_{66}$, wherein R_{65} is hydrogen; or unsubstituted linear or branched C_1-C_6alkyl or linear or branched C_1-C_6alkyl, which is substituted by one or more identical or different substituent selected from the group consisting of OC_1-C_4alkyl, COOH, COO^-, $COOC_1$-C_2alkyl, SO_3H, SO_3^-, NH_2, CN, halogen and OH, O^- and R_{66} is unsubstituted linear or branched C_1-C_6alkyl or linear or branched C_1-C_6alkyl, which is substituted by one or more identical or different substituent selected from the group consisting of OC_1-C_4alkyl, COOH, COO^-, $COOC_1$-C_2alkyl, SO_3H, SO_3^-, NH_2, CN, halogen, OH and O^-.

4. (currently amended) A mMethod according to claim 3any of the precedings claims, wherein A^+ is a cationic radical of an organic dye selected from azo dye, azomethin dye, hydrazomethin dye, merocyanine dye, methin dye and styryl dye.

5. (currently amended) A method according to claim 1any of the precedings claims, wherein there is used as a coupling component an unsubstituted or substituted acylacetarylamide, phenol, naphthol, pyridine, quinolone, pyrazole, indole, diphenylamine, aniline, aminopyridine, pyrimidone, naphthylamine, aminothiazole, thiophene or hydroxypyridine.

6. (currently amended) A method according to claim5any of the precedings claims, wherein a coupling component is used, which is mono- or poly-substituted by amino, alkylamino, dialkylamino, halogen, alkyl, alkoxy, phenyl, naphthyl or aryloxy.

7. (currently amended) A mMethod according to claim 2any of the precedings claims, wherein A^+ is a cationic radical of a dye of formulae (7) and (8)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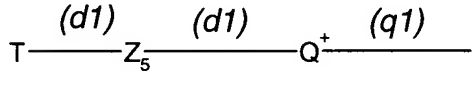

(8)

wherein

Z_5 is a biradical selected from:

$-N=N-$, $-CR_6=N-$, $-N=CR_7-$, $-NR_8-N=CR_9-$, $-R_{10}C=N-NR_{11}-$, $-CR_6=CR_6-$,

wherein

R_6, R_7, R_8, R_9, R_{10} and R_{11} are each independently of the other hydrogen, or unsubstituted or substituted C_1-C_{14}alkyl, allyl, -C_5-C_{10}aryl, -C_1-C_{10}alkylen(C_5-C_{10}aryl), -C_5-C_{10}arylen-(C_1-C_{10}alkyl), and

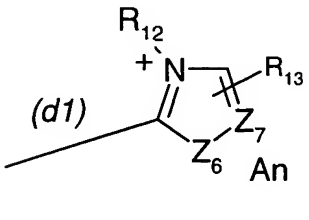
D^+ is a radical of a cationic, aromatic, substituted or unsubstituted heterocyclic compound,

M is a biradical of an aromatic substituted or unsubstituted compound,

T is a radical of an aromatic substituted or unsubstituted compound, and

Q^+ is a biradical of an aromatic, substituted or unsubstituted heterocyclic compound.

8. (currently amended) A m~~M~~ethod according to claim 7, wherein D^+ is a radical of a cationic aromatic substituted or unsubstituted heterocyclic compound of formulae (9), (10), (10'), (10''), (11), (12) or (13)



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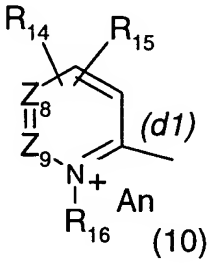

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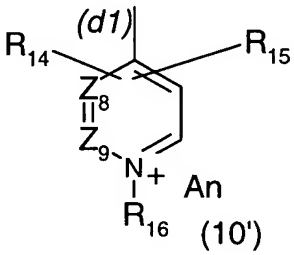

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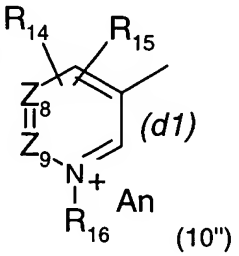
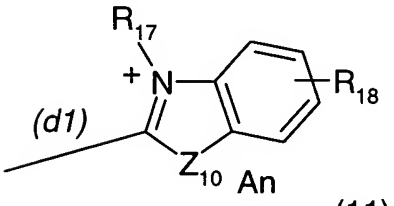


(10'')



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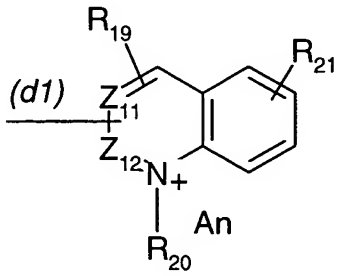

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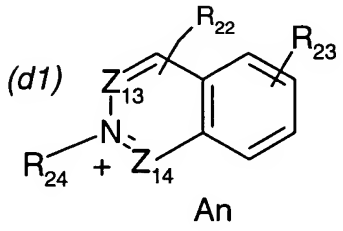


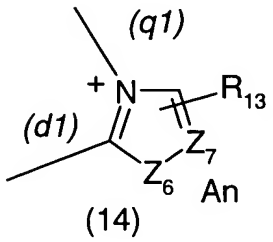
(13)

wherein

(d1) is a bond of formula (7) ~~as defined in claim 7~~;

and

Q^+ is a biradical of a cationic aromatic substituted or unsubstituted heterocyclic compound of formulae (14), (14'), (15), (15'), (15"), (16), (17) or (18)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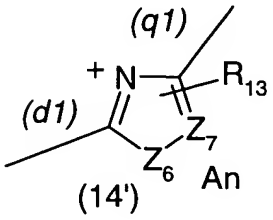
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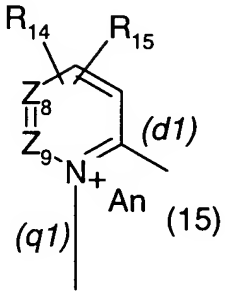
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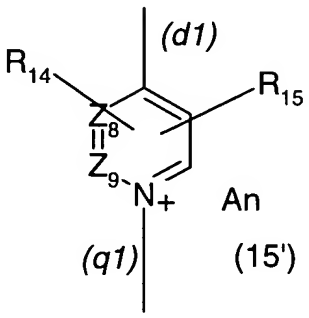
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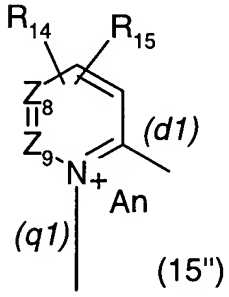
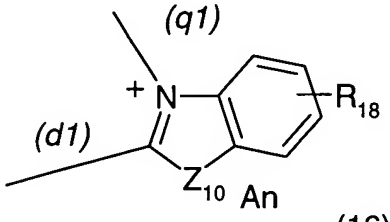

(15")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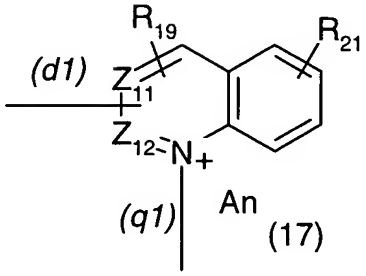
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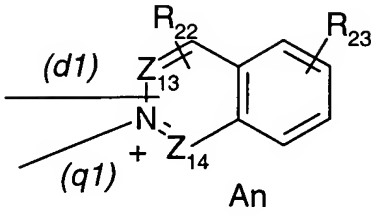
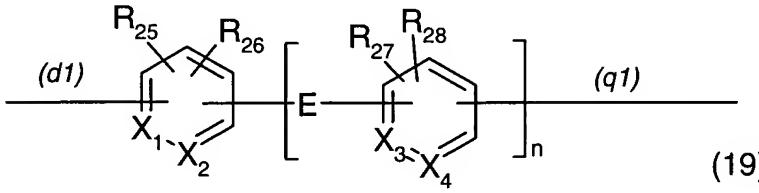

(18)

wherein

(d1) and *(q1)* are a bond to Z_5 of formula (8) ~~as defined in claim 7~~,

and

M is a biradical of formulae (19) or (20),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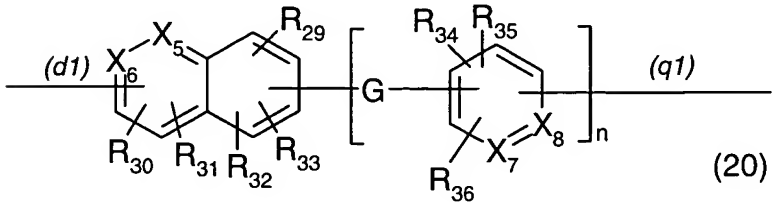
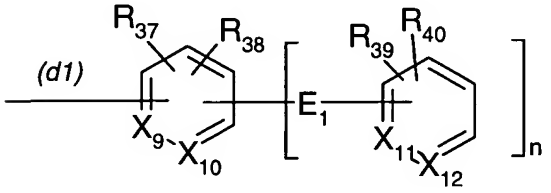

(20)

wherein

(d1) and *(q1)* are a bond of formula (7) ~~as defined in claim 7~~, and

T is a radical of compounds of formulae (21) or (22),



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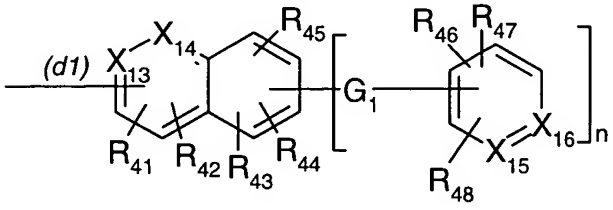


(22)

wherein

(d1) is a bond of formula (8) ~~as defined in claim 7~~, and

wherein

X_1, X_2, X_3, X_4, X_5, X_6, X_7, X_8, X_9, X_{10}, X_{11}, X_{12}, X_{13}, X_{14}, X_{15} and X_{16} are independently from each other N or a radical of CR_{49},

Z_6 is O or S or a radical of NR_{50},

Z_7, Z_8, Z_9, Z_{10}, Z_{11}, Z_{12}, Z_{13} and Z_{14} are independently from each other N or a radical of CR_{51};

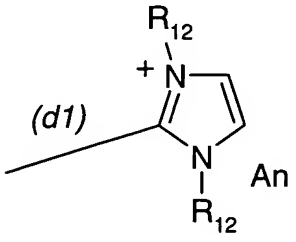
E, E_1, G and G_1 are independently from each other –O-, -S-, -(SO_2)-, -C_1-C_{10}alkylen or –(NR_{52})-;

R_{13}, R_{14}, R_{15}, R_{18}, R_{19}, R_{21}, R_{22}, R_{23}, R_{25}, R_{26}, R_{27}, R_{28}, R_{29}, R_{30}, R_{31}, R_{32}, R_{33}, R_{34}, R_{35}, R_{36}, R_{37}, R_{38}, R_{39}, R_{40}, R_{41}, R_{42}, R_{43}, R_{44}, R_{45}, R_{46}, R_{47}, R_{48}, R_{49} and R_{51} are independently from each other hydrogen, halogen, C_1-C_{14}alkyl, which is saturated or unsaturated, linear or branched, substituted or unsubstituted, or interrupted or uninterrupted with heteroatoms; a radical of phenyl, which substituted or unsubstituted; a radical of carboxylic acid; a radical of hydroxy, nitril, C_1-C_{16}alkoxy, (poly)-hydroxy-C_2-C_4-alkoxy, carboxylic acid, sulfonic acid; halogen, sulfonylamino, SR_{60}, NHR_{53} or $NR_{54}R_{55}$, OR_{61}, SO_2, $COOR_{62}$, $NR_{56}COR_{58}$, $CONR_{57}$; and

R_{12}, R_{16}, R_{17}, R_{20}, R_{24}, R_{50}, R_{52}, R_{53}, R_{54}, R_{55}, R_{56}, R_{57}, R_{58}, R_{60}, R_{61} and R_{62} are each independently of the other hydrogen, unsubstituted or substituted C_1-C_{14}alkyl, allyl, -C_5-C_{10}arylen-(C_1-C_{10}alkyl), -C_1-C_{10}alkylen(C_5-C_{10}aryl), C_5-C_{10}aryl, and

An is an anion.

9. (currently amended) A mMethod according to claim 7any of procedings claims, wherein D^+ is a radical of a cationic aromatic substituted or unsubstituted heterocyclic compound of formulae (23), (24), (24a), (25), (26), (26a) or (27)



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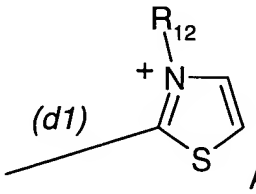

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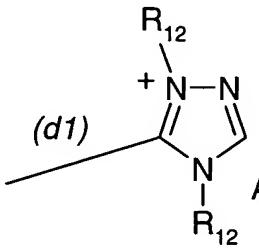

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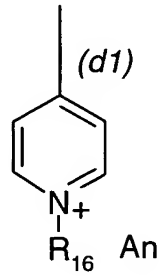

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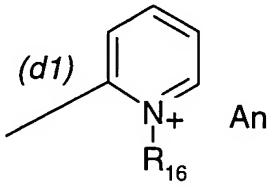

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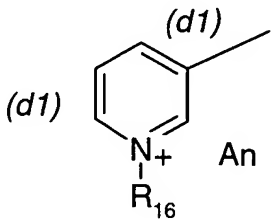
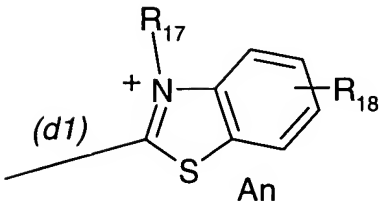


(26a)



(27)

wherein

(d1) and *(q1)* are a bond of formula (7)~~ as defined in claim 7~~, and

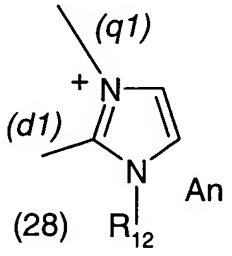
~~An, R_{12}, R_{16}, R_{17} and R_{18} have the same meaning as given in claim 8~~ R_{18} is independently from each other hydrogen, halogen, C_1-C_{14}alkyl, which is saturated or unsaturated, linear or branched, substituted or unsubstituted, or interrupted or uninterrupted with heteroatoms; a radical of phenyl, which substituted or unsubstituted; a radical of carboxylic acid; a radical of hydroxy, nitril, C_1-C_{16}alkoxy, (poly)-hydroxy-C_2-C_4-alkoxy, carboxylic acid, sulfonic acid; halogen, sulfonylamino, SR_{60}, NHR_{53} or $NR_{54}R_{55}$, OR_{61}, SO_2, $COOR_{62}$, $NR_{56}COR_{58}$, $CONR_{57}$; and

R_{12}, R_{16}, R_{17}, R_{53}, R_{54}, R_{55}, R_{56}, R_{57}, R_{58}, R_{60}, R_{61} and R_{62} are each independently of the other hydrogen, unsubstituted or substituted C_1-C_{14}alkyl, allyl, -C_5-C_{10}arylen-(C_1-C_{10}alkyl), -C_1-C_{10}alkylen(C_5-C_{10}aryl), C_5-C_{10}aryl, and

An is an anion,

and

Q^+ is a biradical of a cationic aromatic substituted or unsubstituted heterocyclic compound of formulae (28), (28a), (29), (29a), (30), (31), (31a) or (32)



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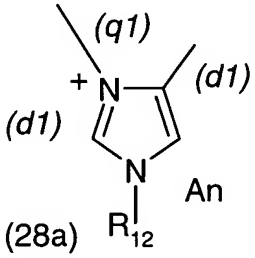
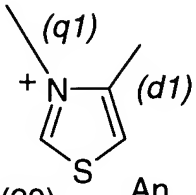
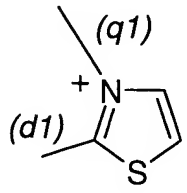


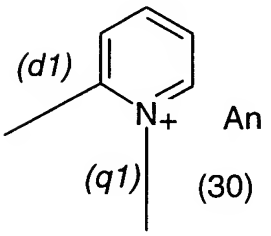
(28a)



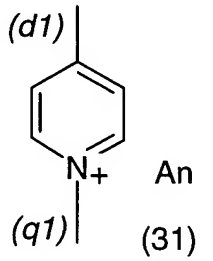
(29)



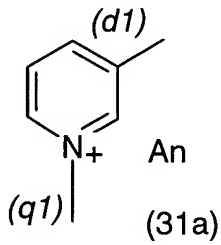
(29a)



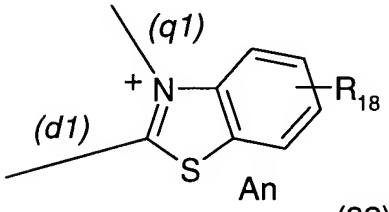
(30)



(31)



(31a)



(32)

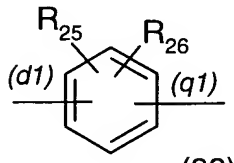
wherein

(d1) and *(q1)* are bond of formula (8) ~~as defined in claim 7~~, and

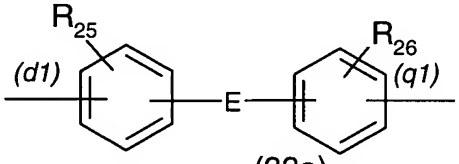
~~An, R_{12} and R_{18} have the same meaning as given in claim 8,~~

~~and~~

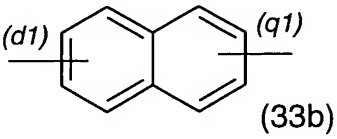
M is a biradical of formulae (33), (33a) or (33b),



(33)



(33a)



(33b)

wherein

(d1) and *(q1)* are bond of formula (7) ~~as defined in claim 7~~, and

~~E, R_{25} and R_{26} have the same meaning as given in claim 8;~~

E is –O-, -S-, -(SO_2)-, -C_1-C_{10}alkylen or –(NR_{52})-;

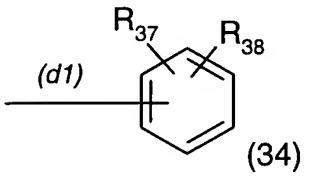
R_{25}, R_{26}, R_{37} and R_{38} are independently from each other hydrogen, halogen, C_1-C_{14}alkyl, which is saturated or unsaturated, linear or branched, substituted or unsubstituted, or interrupted or uninterrupted with heteroatoms; a radical of phenyl, which substituted or unsubstituted; a radical of carboxylic acid; a radical of hydroxy, nitril, C_1-C_{16}alkoxy, (poly)-hydroxy-C_2-C_4-alkoxy, carboxylic acid, sulfonic acid; halogen, sulfonylamino, SR_{60}, NHR_{53} or $NR_{54}R_{55}$, OR_{61}, SO_2, $COOR_{62}$, $NR_{56}COR_{58}$, $CONR_{57}$; and

R_{52}, R_{53}, R_{54}, R_{55}, R_{56}, R_{57}, R_{58}, R_{60}, R_{61} and R_{62} are each independently of the other hydrogen, unsubstituted or substituted C_1-C_{14}alkyl, allyl,

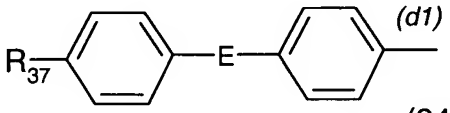
-C_5-C_{10}arylen-(C_1-C_{10}alkyl), -C_1-C_{10}alkylen(C_5-C_{10}aryl), C_5-C_{10}aryl,

and

T is a radical of formulae (34) or (34a),



(34)



(34a)

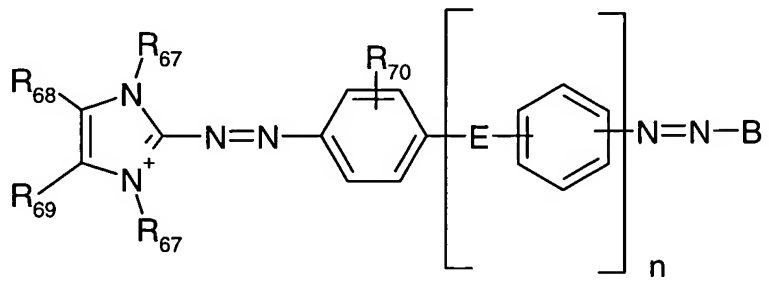
wherein

~~R_{37}, R_{38} and E has the same defintion as given in claim 8, and~~

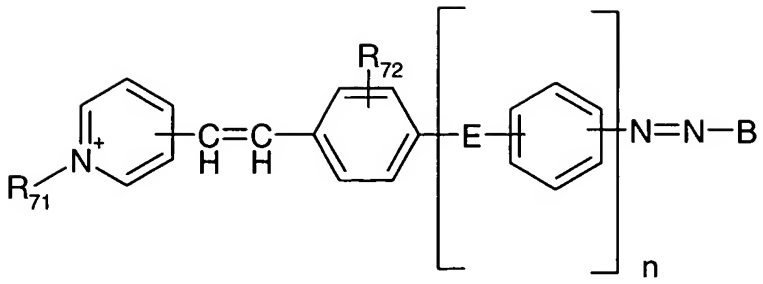
(d1) is a bond of compound of formula (8) ~~as defined in claim 7~~.

10. (currently amended) A m~~M~~ethod according to claim 1 ~~any of the precedings claims~~, which comprises contacting the material being colored, with

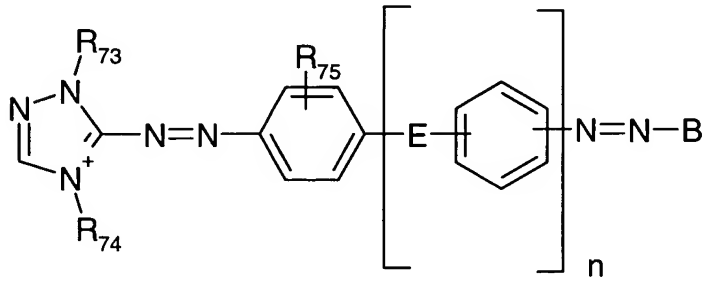
a) at least a single capped diazonium compound selected from the group of compounds of the following formulae



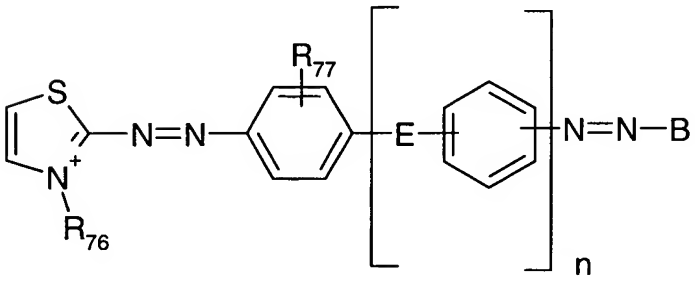
(An)



(An)

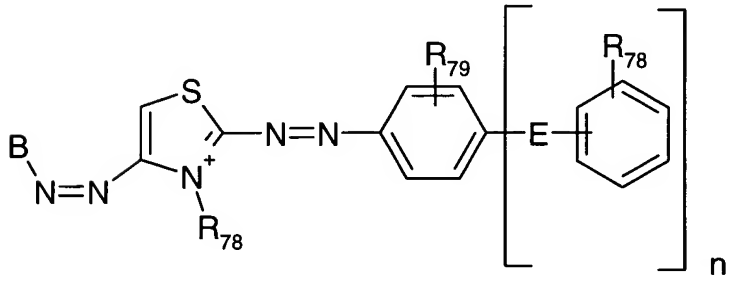


(An)



(An)

and



(An)

wherein

E is –O-, -S-, -(SO_2)-, CR_{80} or a radical of –(NR_{81})-;

R_{70}, R_{72}, R_{75}, R_{77}, R_{78}, R_{79}, R_{80} and R_{81} are independently from each other hydrogen, C_1-C_{16}alkyl, which is saturated or unsaturated, linear or branched, substituted or unsubstituted, or interrupted or uninterrupted with heteroatoms, such as, by hydroxy, nitril, amino, C_1-C_2 alkoxy, (poly)-

hydroxy-C_2-C_4-alkoxy, di-C_1-C_2 alkylamino, carboxylic acid, sulfonic acid; a radical of phenyl, which substituted or unsubstituted; a radical of carboxylic acid; a radical of sulfonylamino, S, NH or N(C_1-C_4alkyl), O, halogen, SO_2, COO, OCO, NHCO, CONH, CON(C_1-C_4alkyl) or N(C_1-C_4alkyl)CO; or are independently from each other an aliphatic or aromatic, substituted;

R_{68} with R_{69} have the same meaning as R_{70}, R_{72}, R_{75}, R_{77}, R_{78}, R_{79}, R_{80} and R_{81} as given above, or R_{68} with R_{69} can build up an aromatic carbon cycle;

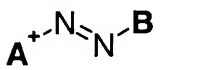
R_{67}, R_{71}, R_{73}, R_{74}, R_{76} and R_{78} are unsubstituted or substituted C_1-C_{14}alkyl, allyl, -C_5-C_{10}arylen-(C_1-C_{10}alkyl), -C_1-C_{10}alkylen(C_5-C_{10}aryl), C_5-C_{10}aryl;

B, An and n have the same meaning as defined above~~given in claim 2~~;

and

b) a coupling component.

11. (original) Compounds of formula (1)



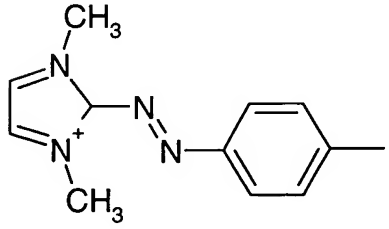
An (1)

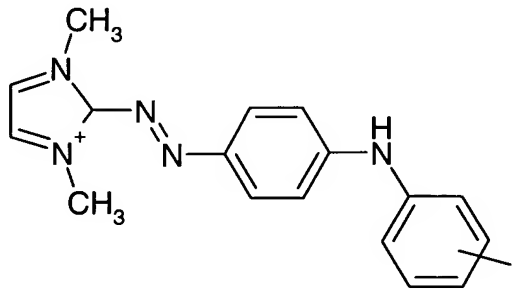
wherein

A^+ is a cationic radical of an organic compound,

B is a radical of an unsubstituted or substituted, aliphatic or aromatic amine,

An is an anion, with the proviso that A^+ is not a radical of formula



or


.

12. (original) A composition comprising at least a single capped diazonium compound of formula (1) as defined above in claim 1 and a coupling component.

13. (currently amended) A composition according to claim 12 comprising in addition at least a single direct dye,~~ and/or~~ at least a single oxidative dye ~~and/~~or an oxidative agent or a combination thereof.

14. (currently amended) A c~~C~~omposition according to ~~any one of~~ claim~~s 12 or~~ 13 in form of a shampoo, conditioner, gel or emulsion.

15. (currently amended) A method according to ~~any one of~~ claim[[s]] 1 ~~to 10~~ for dyeing or tinting human hair.